

L8 ANSWER 1 OF 2 WPIX COPYRIGHT 2004 THE THOMSON CORP on STN  
 AN 1992-346314 [42] WPIX  
 DNN N1992-264108 DNC C1992-153994  
 TI Preparation of magnetic disk medium with coating of liquid lubricant -  
 comprises  
 coating surface of disk with per fluorocarbon and e.g. ethyl ether solvent  
 containing lubricant.  
 DC A85 G02 L03 T03  
 PA (FJIE) FUJI ELECTRIC MFG CO LTD  
 CYC 1  
 PI JP 04252422 A 19920908 (199242)\* 6 G11B005-84 <--  
 ADT JP 04252422 A JP 1991-113567 19910518  
 PRAI JP 1990-406166 19901226  
 IC ICM G11B005-84  
 AB JP 04252422 A UPAB: 19931006  
 Solvent comprises mixture of an organic solvent and a perfluorocarbon  
 solvent for dissolving a liquid lubricant and coating it on surface of a  
 magnetic disk medium.  
 Pref. the organic solvent is one of selected from 5-10C hydrocarbon,  
 ethyl ether, propyl ether or or alcohol fluoride, preparation of a magnetic  
 disk using the solvent.  
 ADVANTAGE - The medium needs no Furon-113 or -112 to keep similar  
 surface lubricity.  
 In an example, a perfluorocarbon solvent of 'Fonbrin solvent  
 XA-100' (RTM) and n-pentane were mixed at rate of 1:1, a perfluoro  
 polyether of 'Fonbrin AM2001' (RTM) was dissolved to it at 100g/l of  
 concentration, stirred at 15 deg. C, diluted by 'Fonbrin solvent ZS-100' (RTM)  
 to 5 g/l of 'Fonbrin AM2001' (RTM) concentration, stirred, held for one day,  
 then spin coated on carbon protection layer of a 3.5 inch metal thin film  
 magnetic disk. As the result the disk had 20.02 microns thick lubricant  
 film with improved property.  
 O/O  
 FS CPI EPI  
 FA AB  
 MC CPI: A12-E08A; A12-E08A2; G02-A05B; L03-B05B; L03-B05K3  
 EPI: T03-A02B5; T03-A02E1A

L8 ANSWER 2 OF 2 JAPIO (C) 2004 JPO on STN  
 AN 1992-252422 JAPIO  
 TI PRODUCTION OF MAGNETIC DISK MEDIUM AND SOLVENT FOR APPLICATION OF LIQUID  
 LUBRICANT  
 IN NAKAJIMA NORIHIKO  
 PA FUJI ELECTRIC CO LTD  
 PI JP 04252422 A 19920908 Heisei  
 AI JP 1991-113567 (JP03113567 Heisei) 19910518  
 PRAI JP 1990-406166 19901226  
 SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1992  
 IC ICM G11B005-84  
 AB PURPOSE: To find and use a fresh solvent mixture for application of the  
 liquid lubricant to be applied on magnetic disk media.  
 CONSTITUTION: The solvent mixture composed of a perfluorocarbon solvent  
 and an organic solvent and the solvent mixture composed of a perfluorocarbon  
 solvent and fluorinated alcohol are found as the solvent for applying  
 perfluoropolyether which has a functional group and is the liquid  
 lubricant for the magnetic disk media on the medium surface. The organic  
 solvent to be mixed with the perfluorocarbon solvent is preferably 5 to  
 10C hydrocarbon, ethyl ether, isopropyl ether or the above-mentioned  
 mixture. The fluorinated alcohol to be mixed with the perfluorocarbon  
 solvent is preferably the fluorinated alcohol having the structure of  
 $F(CF_2)_nCH_2OH$ ,  $H(CF_2)_nCH_2OH$  or the  
 above-mentioned mixture. The lubricating characteristic of the media  
 coated with the liquid lubricant by using this solvent for application of

the liquid lubricant is equal to the lubricating characteristic of the media coated with the liquid lubricant by using the conventional specific fluorocarbon.

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